

# FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

\_\_\_\_\_

Location Map Pinned

\_\_\_\_\_

Card Indexed

✓

I W R for State or Fee Land

✓

Checked by Chief

*RJS*

Copy NID to Field Office

✓

Approval Letter

✓

Disapproval Letter

\_\_\_\_\_

## COMPLETION DATA:

Date Well Completed 5-25-61

Location Inspected

\_\_\_\_\_

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released

State of Fee Land

\_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

## LOGS FILED

Driller's Log 6-12-61

Electric Logs (No. ) 3

E \_\_\_\_\_ I \_\_\_\_\_ E-I ✓ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro ✓

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic ✓ Others \_\_\_\_\_

**(SUBMIT IN TRIPLICATE)**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
State State  
Lease No. ML 16014  
Unit Swan Mesa

		2	
2			

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 13, 1961

**Swap Mess**  
Well No. 14-2 is located 576 ft. from N line and 711 ft. from E line of sec. 2

SW SW Sec. 2                      34S                      9E                      Salt Lake  
(¼ Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)

Wildest                      Garfield                      Utah  
(Field)                      (County or Subdivision)                      (State or Territory)

The elevation of the ~~structure floor~~ above sea level is 5404 ft. ungraded ground

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill well to test Mississippian formation to a depth of approximately 8900'.

Will set approximately 80' of 20" conductor pipe with cement circulated to surface.

Will set approximately 1000' of 13-3/8" surface casing with cement circulated to surface.

**Will set 7" casing through any commercial production encountered.**

**I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.**

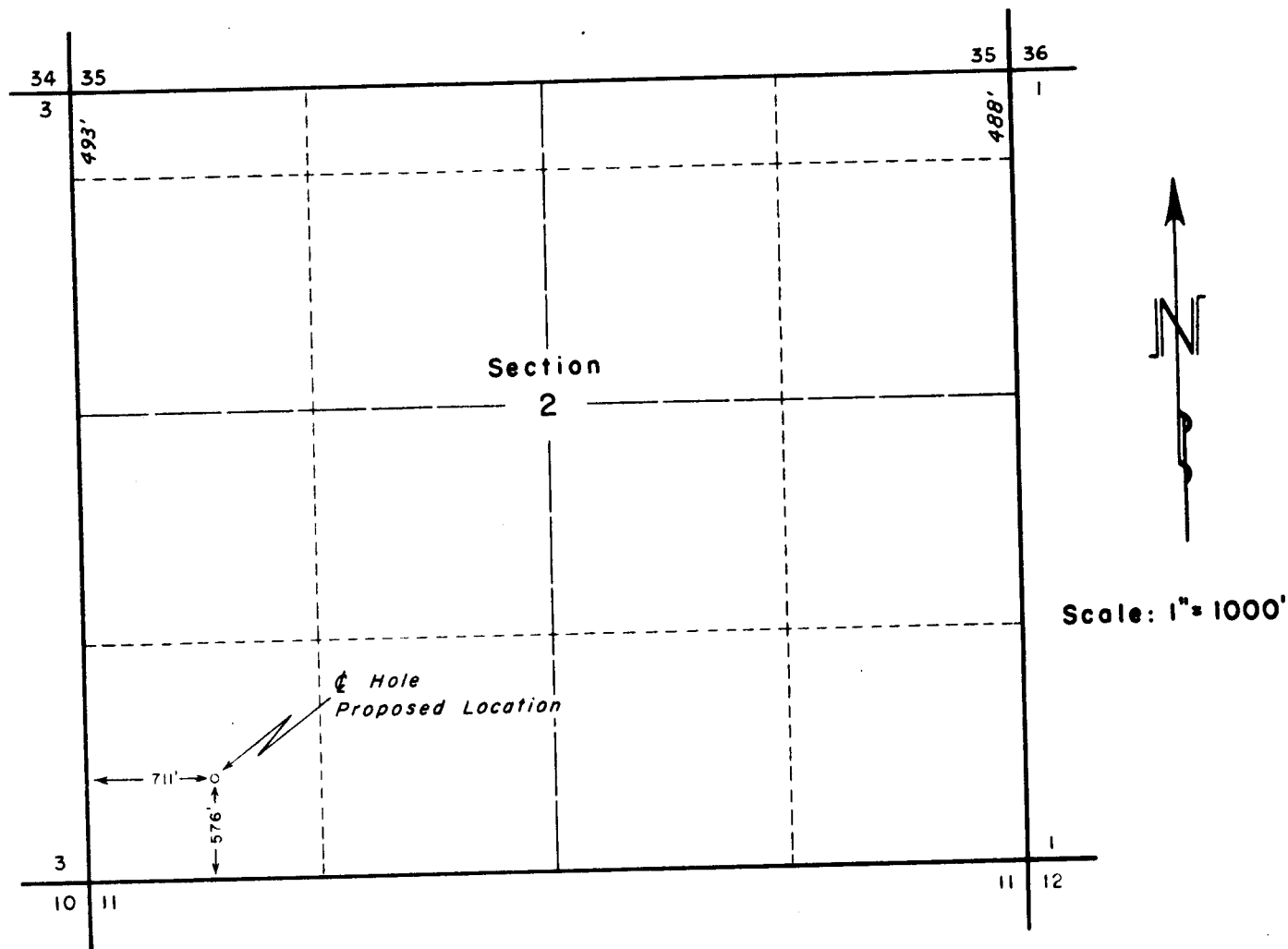
Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By D. D. KINGMAN  
Title Engineer

# CERTIFICATE OF SURVEY



## WELL LOCATION: The Superior Oil Co., Swap Mesa No. 14-2

Located 576 feet North of the South line and 711 feet East of the West line of Section 2  
 Township 34 South Range 9 East Salt Lake Meridian  
 Garfield County, Utah  
 Existing ground elevation determined at 5404 feet based on U.S.G.S. Datum

I hereby certify the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

*Elmer M. Clark*

ELMER M. CLARK  
 Registered Land Surveyor  
 Utah Reg. No. 2307

**E.M. CLARK & ASSOCIATES**  
 Durango, Colorado

Jan. 4, 1961

File No. 60679



7

# THE SUPERIOR OIL COMPANY

P. O. BOX G  
CORTEZ, COLORADO

January 30, 1961

*In approval letter  
request copy of unperfected  
unit*

The State of Utah  
Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

Attention: Mr. Cleon B. Feight

Dear Mr. Feight:

Attached is a Notice of Intention to Drill for the Swap  
Mesa Unit #14-2.

This well will be situated on a state lease located within  
a Federal Unit. Consequently we would appreciate your sending  
us a letter of approval.

Yours truly,

*D. D. Kingman*

D. D. Kingman  
Engineer

DDK/lbc  
attach.

January 31, 1961

The Superior Oil Company  
P. O. Box G  
Cortez, Colorado

Attention: Mr. D. D. Kingman, Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Swap Mesa 14-2, which is to be located 576 feet from the south line and 711 feet from the west line of Section 2, Township 34 South, Range 9 East, S14E, Garfield County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted. This approval shall terminate within 90 days if the above mentioned well is not spudded in within said period.

If an unexecuted copy of the Swap Mesa Unit Agreement were on file with this office, it would not have been necessary for you to receive our approval for the drilling of this well.

Please take note that should it become necessary to plug and abandon this well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named persons, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

Robert L. Schmidt, Chief Petroleum Engineer  
Office Phone: DAVIS 8-5771 or DAVIS 8-5772  
Home Phone: AMhurst 6-8616

Harvey L. Coonts, Petroleum Engineer, Moab Office  
Office Phone: ALpine 3-3161  
Home Phone: ALpine 3-6587.

The Superior Oil Company  
Attn: D. D. Kingman

January 31, 1961  
Page No. Two

All other forms of communication should be addressed to the Oil and Gas Conservation Commission at 310 Newhouse Building, 10 Exchange Place, Salt Lake City 11, Utah.

Yours very truly,

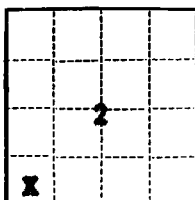
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:eo

cc: Mr. D. F. Russell  
U. S. Geological Survey  
Salt Lake City, Utah

Utah State Land Board  
105 State Capitol Bldg.  
Salt Lake City, Utah



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

State Salt Lake  
Lease No. ML 16014  
Unit Swap Mesa

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 17, 1961

Swap Mesa  
Well No. 14-2 is located 576 ft. from SW line and 711 ft. from W line of sec. 2  
SW SW Sec. 2 34S 9E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Garfield Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~datum~~ above sea level is 5404 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: 3-14-61 Present Depth: 7290'  
3-14-61 Set 20" 40# Conductor csg. at 60' w/125 sacks cement.  
3-21-61 Set 13-3/8" 48# at 1002' w/800 sacks cement.  
4-4-61 D.B.T. #1: (5827'-5850')  
1/2 hr. ISIP, 45 mins. test, very weak blow of air to dead in 20 mins.  
45 min. FSIP. Rec. 85' muddy water. ISIP 2872# F.P. 45#-45#, FSIP 1942#,  
H.P. 2872#.

(Cont'd)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company  
Address P. O. Drawer 'G'  
Cortez, Colorado

By W. M. Ramsburg  
Title Engineer  
ORIGINAL SIGNED BY  
This Copy To USGS (2)  
Santa (1)  
W110

WBR/njh

Memo For Filing

Re: Superior Oil Company  
Swap Mesa Well #14-2  
Sec. 2, T. 34 S., R. 9 E.,  
Garfield County, Utah

On Thursday, May 11, 1961, Don Russell and I inspected the  
above drilling well. Operations appeared to be satisfactory.

ROBERT L. SCHMIDT  
CHIEF PETROLEUM ENGINEER



	2		
X			

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
State ML 16014  
Lease No. \_\_\_\_\_  
Unit Swap Mesa

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 19, 19 61

Swap Mesa  
Well No. #14-2 is located 576 ft. from S line and 711 ft. from W line of sec. 2  
SW SW Sec. 2 (1/4 Sec. and Sec. No.) 34S (Twp.) 9E (Range) Salt Lake (Meridian)  
Wilcat Garfield Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation ~~of the land surface~~ above sea level is 5404 ft. KB

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to plug and abandon well by equalizing the following cement plugs:

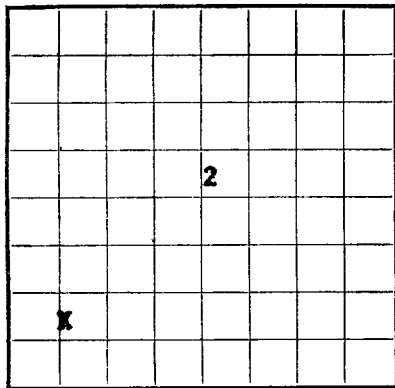
- #1 50 sacks through drill pipe hung to 9300'.
- #2 50 sacks through drill pipe hung to 8050'.
- #3 50 sacks through drill pipe hung to 6170'.
- #4 50 sacks through drill pipe hung to 5800'.
- #5 50 sacks through drill pipe hung to 4400'.
- #6 50 sacks through drill pipe hung to 3300'.
- #7 50 sacks through drill pipe hung to 2300'.
- #8 50 sacks through drill pipe hung to 1012'.

Verbal approval by D. F. Russell 5-19-61.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company  
Address P. O. Drawer 'G'  
Cortez, Colorado  
Original Signed By D. D. KINGMAN  
By D. D. Kingman  
Title Engineer

DDK/njh



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P. O. Drawer 'G', Cortez, Colorado  
Lessor or Tract Swap Mesa Unit Field Wildcat State Utah  
Well No. 14-2 Sec. 2 T. 34S R. 9E Meridian SLRM County Garfield  
Location 576 ft. N of S Line and 711 ft. E of W Line of section 2 Elevation 5404 KB  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed D. D. Kingman Title Engineer  
Date June 2, 1961

The summary on this page is for the condition of the well at above date.

Commenced drilling March 14, 1961 Finished drilling May 23, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
20"	404	Spinal Weld		60'					Conductor
13-3/8	1002'								2 1/2" casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	60'	125	Circulated to surface.		
13-3/8	1002'	800	Pump & Plug.		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from 0 feet to 9682 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Plugged &amp; Abandoned

Put to producing May 25, 19 61

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment.

Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Mtn. States Drilg. Co., Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

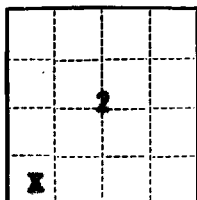
## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Electric Log Tops:</u>			
Dakota	1727	White Rim	5832
Morrison	1760	Organ Rock	6255
Entrada	2440	Cedar Mesa	6712
Carmel	3305	Rico	8036
Navajo	3518	Hermosa	8210
Kayenta	4427	Ismy	8410
Wingate	4705	Desert Creek	8500
Chinle	5000	Molas	9012
Shinarump	5400	Mississippian	9240
Moenkopi	5480		



FROM—	TO—	TOTAL FEET	FORMATION
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FORMATION RECORD—Continued



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
State ML 16014  
Lease No. \_\_\_\_\_  
Unit Swap Mesa

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 2, 19 61

Swap Mesa Unit  
Well No. 14-2 is located 576 ft. from S line and 711 ft. from W line of sec. 2  
SW SW Sec. 2 34S 9E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Garfield Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the surface above sea level is 5404 ft. N.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: 3-14-61 Plugged & Abandoned: 5-25-61  
T.D.: 9682'  
Casing: 20" 40# set @ 60' w/125 sacks cement.  
13-3/8" 48# set @ 1002' w/800 sacks cement.

Log Tops:	Dakota:	1727'	Wingate:	4705'	Cedar Mesa:	6712'
	Morrison:	1760'	Chinle:	5000'	Rico:	8036'
	Entrada:	2440'	Shinarump:	5400'	Hernosa:	8210'
	Carmel:	3305'	Moenkopi:	5480'	Ismay:	8410'
	Navajo:	3518'	White Rim:	5832'	Desert Creek:	8500'
	Kayenta:	4427'	Organ Rock:	6255'	Molas:	9012'
					Mississippian:	9240'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By D. D. Kingman

Title Engineer

21961

Drill Stem Tests:

- DST #1: 5827'-5850'  $\frac{1}{2}$  hr ISI,  $\frac{3}{4}$  hr test. Very weak blow of air-dead in 20 mins,  $\frac{3}{4}$  hrs FSI. Rec. 85' muddy water. ISIP-2872#, FP-45#-45#, FSIP-1942#, HP-2872#.
- DST #2: 5858'-5991'  $\frac{1}{2}$  hr ISI, 1 hr test. Good blow of air-dead in 55 mins, 1 hr FSI. Rec. 4679' water. ISIP-1960#, FP-890#-1960#, FSIP-1960#, HP-2790#.
- DST #3: 9496'-9557'  $\frac{1}{2}$  hr ISI,  $\frac{1}{2}$  hr test. Very weak blow of air-dead in  $\frac{1}{2}$  min.  $\frac{1}{2}$  hr FSI. Rec. 80' mud, 100' mud cut water. ISIP-3070#, FP-62#-80#, FSIP-2716#, HP-4575#.
- DST #4: 9555'-9682'  $\frac{1}{2}$  hr ISI, 1 hr test. Fair blow of air throughout, 1 hr FSI. Rec. 2480' muddy water. FSIP-3350#, FP-340#-960#, FSIP-3265#, HP-4725#.

Plugged and abandoned well by equalizing the following cement plugs.

- #1 50 sacks through drill pipe hung to 9150'.
- #2 50 sacks through drill pipe hung to 8220'.
- #3 50 sacks through drill pipe hung to 6260'.
- #4 50 sacks through drill pipe hung to 3840'.
- #5 50 sacks through drill pipe hung to 4440'.
- #6 50 sacks through drill pipe hung to 3310'.
- #7 50 sacks through drill pipe hung to 2450'.
- #8 50 sacks through drill pipe hung to 1010'.

Checked top of plug #8 @ 960'.

Plugs are based on log tops and vary slightly from the sample tops on which plugging approval was made.

A 10 sack plug was placed at the surface and a standard dry hole marker was erected.

The location is now cleaned up and ready for inspection.

END OF REPORT AND RECORD OF WORK

DEPARTMENT OF THE ARMY

ENGINEER REGIMENT

ENGINEER REGIMENT